Rotterdam Olefins & Polyolefins B.V.
Aert van Nesstraat 45, 3012 CA
Rotterdam, The Netherlands

Technical Data Sheet : AdvyForm E0830

Polypropylene, Impact Copolymer

Product Description

The grade is a nucleated impact copolymer suitable for injection molding and thermoforming applications. Exhibits an outstanding low temperature impact performance and good stiffness combined with a good processability. Typically used by customers in luggage, transport and cold storage crates, sports and leisure equipment, toys and typical consumer components which are subjected to impact and/or low temperature.

Information regarding regulatory status, including supported, prohibited, or restricted applications, is provided in the **Product Regulatory Summary** and the **Safety Data Sheet (SDS**).

General

Application	Caps & Closures; Crates; Luggage; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding; Thermoforming
Attribute	Good Processability; High Impact Resistance; Low Flow; Medium Stiffness; Nucleated
Internal ref. number	1Q090, BEN8475
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4	g/10 min	ISO 1133-1
Density	0.9	g/cm^3	ISO 1183-1
Mechanical			
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Yield	20	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	66	kJ/m^2	ISO 179
(0°C, Type 1, Edgewise, Notch A)	13	kJ/m^2	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	7	kJ/m^2	ISO 179
Hardness			
Ball Indentation Hardness	46	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	85	°C	ISO 75B-1, -2

*)These are typical property values not to be construed as specification limits.

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Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

In cases where higher temperatures are required, please contact your appropriate technical contact for support.

Company Information

For further information regarding the Velogy, please visit http://www.velogy.com

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